FIG. 1

DVD - Data Frame

			17	2 hytes				
	4 bytes	2 bytes		2 bytes—————				
	ID	IED	CPR_MAI	Main data 160 bytes (D	to D ₁₅₉)			
	Main data 1720 bytes (D ₁₆₀ to D ₃₃₁)							
	Main data 172 bytes (D ₃₃₂ to D ₅₀₃)							
				:				
12 rows –	ı I							
12								
			Main data 172	bytes (D ₁₇₀₈ to D ₁₈₇₉)				
↓		Main o	lata 168 bytes ((D ₁₈₈₀ to D ₂₀₄₇)	EDC			

4 bytes

FIG. 2

DVD - Data Frame

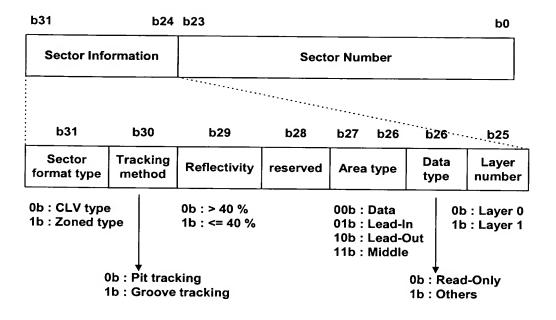


FIG. 3

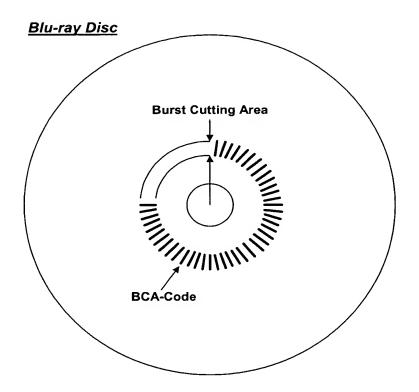


FIG. 4

Data structure of BCA-code

1Bytes → 4Bytes →							
BCA pre-amble (all 00h)				1 row			
I _{0.0} I _{4,0} I _{8,0} I _{12,0}	I _{1,0} I _{5,0} I _{9,0}	l _{2,0} l _{6,0} l _{10,0} l _{14,0}	l _{3,0} l _{7,0} l _{11,0} l _{15,0}	4 rows data	1 – data		
C _{0,0} C _{4,0} C _{8,0}	$egin{array}{c} {\sf C}_{1,0} \ {\sf C}_{5,0} \ {\sf C}_{9,0} \ {\sf C}_{13,0} \end{array}$	$egin{array}{c} C_{2,0} \ C_{6,0} \ C_{10,0} \ C_{14,0} \ \end{array}$	${f C}_{3,0} \ {f C}_{7,0} \ {f C}_{11,0} \ {f C}_{15,0}$	4 rows parity	unit		
	I _{1,1} I _{5,1} I _{9,1} I _{13.1}	l _{2,1} l _{6,1} l _{10,1} l _{14,1}	l _{3,1} l _{7,1} l _{11,1} l _{15,1}	4 rows data	1 – data		
C _{0,1} C _{4,1} C _{8,1}	C _{1,1} C _{5,1} C _{0,1}	C _{2,1} C _{6,1} C _{10,1}	C _{3,1} C _{7,1} C _{11,1}	4 rows parity	unit		
	l _{1,2} l _{5,2} l _{9,2} l _{13,2}	l _{2,2} l _{6,2} l _{10,2} l _{14.2}	l _{3,2} l _{7,2} l _{11,2} l _{15,2}	4 rows data	1 - data		
C _{0,2} C _{4,2} C _{8,2} C _{12,2}	C _{1,2} C _{5,2} C _{9,2}	C _{2,2} C _{6,2} C _{10,2}	C _{3,2} C _{7,2} C _{11,2}	4 rows parity	– data unit		
	I _{1,3} I _{5,3} I _{9,3} I _{13.3}	l _{2,3} l _{6,3} l _{10,3} l _{14,3}	I _{3,3} I _{7,3} I _{11,3} I _{15,3}	4 rows data	1 — data unit		
C _{0,3} C _{4,3} C _{8,3}	C _{1,3} C _{5,3} C _{9,3}	C _{2,3} C _{6,3} C _{10,3}	C _{3,3} C _{7,3} C _{11,3}	4 rows parity			
	BC I _{0,0} I _{4,0} I _{8,0} I _{12,0} C _{0,0} C _{4,0} C _{12,0} I _{0,1} I _{4,1} I _{8,1} I _{12,1} C _{0,1} C _{4,1} C _{4,1} C _{4,1} C _{4,1} C _{12,1} I _{0,2} I _{4,2} I _{12,2} C _{12,2} C _{12,2} I _{0,3} I _{4,3} I _{8,3} I _{12,3} C _{0,3} C _{4,3}	BCA pre-am I	BCA pre-amble (all 0) I	BCA pre-amble (all 00h) I_{0,0}	BCA pre-amble (all 00h)		

FIG. 5

Blu-ray Disc

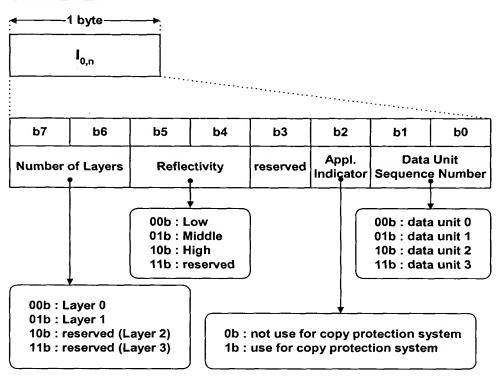


FIG. 6

Blu-ray Disc

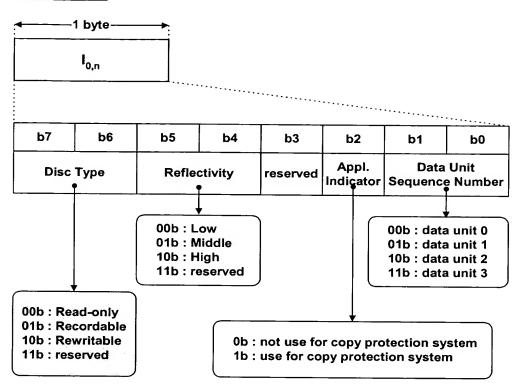
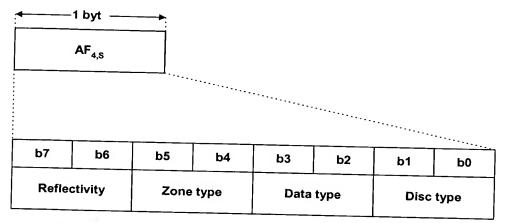


FIG. 7

BD - Address Unit

,	16 addresses							
	AF _{0,0}	AF _{0,1}		AF _{0,S}		AF _{0,15}		
	AF _{1,0}	AF _{1,1}		AF _{1,S}		AF _{1,15}		
	AF _{2,0}	AF _{2,1}		AF _{2,S}		AF _{2,15}		
es-	AF _{3,0}	AF _{3,1}		AF _{3,S}		AF _{3,15}		
9 bytes-	AF _{4,0}	AF _{4,1}		AF _{4,S}		AF _{4,15}		
\	AF _{8,0}	AF _{8,1}		AF _{8,S}		AF _{8,15}		

FIG. 8



00b : Low 00b : Data zone 00b : Read-only 00b : Read-only 01b: Middle 01b : Inner zone 01b : Recordable 01b : Recordable 10b : High 10b : Outer zone 10b : Rewritable 10b : Rewritable 11b : Reserved 11b : Reserved 11b : Reserved 11b: Reserved

FIG. 9

Physical ADIP Addr ss

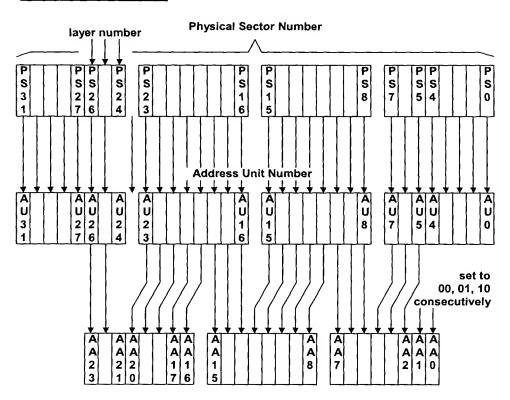


FIG. 10

